

AN EXHAUST GAS PURIFYING APPARATUS

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ABSTRACT OF THE DISCLOSURE

The present invention relates to an exhaust gas
purifying apparatus, for trapping and burning PM, which
10 comprises electrodes and an insulative honeycomb
structure. The apparatus is characterized in that the
electrodes make an electric field in the honeycomb
structure, the electric field not being parallel with
the cell passages of the honeycomb structure. Further
15 the apparatus is characterized in that the electrodes
make an electric field in the honeycomb structure, and
that the honeycomb structure carries at least one metal
selected from the group consisting of an alkali metal
and an alkali earth metal; a material that generates
20 oxygen radical by conducting an electric current
therethrough; a manganese dioxide; and/or a material
having a high dielectric constant.